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Date:	4 September 2010
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Level 3 Module

Signalling Installation – Signals: Signs and Boards

Endorsement and Authorisation

For endorsement and authorisation, please refer to NR/L3/SIG/11303.

This module is a reformatted version of the previous Signalling Installation Handbook with no change to the content other than correction of terminology.
It represents historic best practice which may no longer be relevant.

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Issue record

Issue	Date	Comments
2	September 2010	Reformatted version of previous document incorporating the text of the installation handbook.
1	August 2000	First issue.

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 4 December 2010.

When this standard is implemented, it is permissible for all projects that have formally completed GRIP Stage 4 to continue to comply with the Issue of any relevant Network Rail Standards current when GRIP Stage 4 was reached and not to comply with requirements contained herein, unless the designated Standard Owner has stipulated otherwise in the accompanying Briefing Note.

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1 Introduction

This module details the materials and methods to be used for the construction and fixing of lineside signs associated with signalling installations.

The term “sign” is used throughout to include those items which are commonly described as boards: a Distant Board is one example.

For policy on buried surfaces, see NR/L1/SIG/1010.

2 Construction

Lineside signs are normally manufactured from 3mm thick aluminium sheet, although in special cases glass reinforced plastic may be used. Small signs intended for fixing to an existing flat surface may be printed on self adhesive plastic film.

Signs intended to be distantly visible are faced with Class 1 (high intensity) retroreflective plastic sheet film. Others have lower intensity film or are stove enamelled.

Signs that are to be post mounted are supplied with small section “Signfix” channel fixed to the upper and lower rear edges. See Figure 1 for a typical example.

Post mounted large signs and any that will be subject to high wind pressure should be ordered to be supplied with side and intermediate channels also. The additional channels avoid damage by bending or vibration. Figure 2 shows examples of Signfix channel positions for these stronger signs.

Signs to be fixed with bolts or screws should be supplied with holes already drilled.

Detailed information showing the catalogue number, inscription, size, construction, and normal fixing arrangements for each standard sign, is given on the appropriate Corporate Identity Information Sheet. The current status of these sheets may be ascertained from the Network Rail Corporate Signs Manager.

3 Positioning

The position of most lineside signs will have been decided by a Sighting Committee and detailed on a Sighting Form, to which you or your supervisor needs to refer. Where a form is not provided, position the sign as detailed on the plan or other installation drawing, or according to the standard arrangement. The minimum height should be 2 metres if possible, unless specified otherwise.

Check that conditions have not changed since the sighting form or other document was prepared: by the presence of new structures or summer foliage or track slews, for example. If there are problems, advise your supervisor who will arrange for alterations or re-sighting.

If there are no problems, follow precisely all requirements given on the Sighting Form or installation drawings.